PortServer® TS Haz MEI

Serial Servers for Hazardous Locations

Serial-to-Ethernet connectivity in a rugged design capable of withstanding hazardous locations.

Overview

PortServer TS Haz MEI makes it easy to connect one to four serial devices to your network, even in applications where environmental hazards demand extended safety features and operating tolerances.

With a conformal coated circuit board, extended temperature tolerance and the ability to safely perform in flammable environments (Class 1, Division 2 certified), it is the ideal device connectivity solution for applications in fuel distribution, water/waste water management, building automation and transportation.

Digi's patented RealPort® technology, featuring encryption and user authentication*, delivers the industry's most robust, reliable and versatile COM port control and management. RealPort makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers instead of requiring a host adapter.

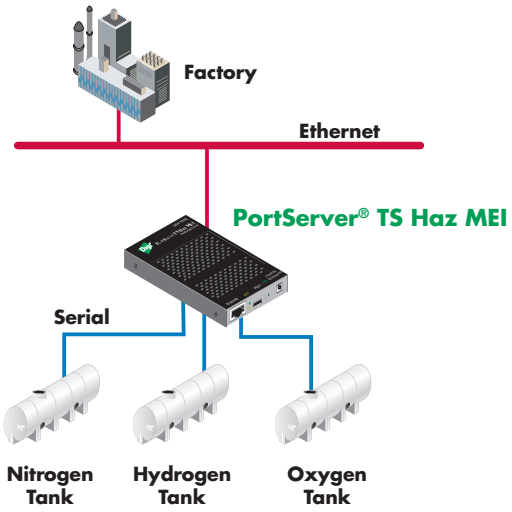
*The RealPort encryption feature is compatible with AIX, HP UX, Linux, Windows XP, Windows 2000, Windows Server 2003, SCO OpenServer and Solaris. The RealPort authentication feature is compatible only with Windows XP, Windows 2000 and Windows Server 2003.

Target Applications

Hazardous Environments

Utilities

Application Highlight



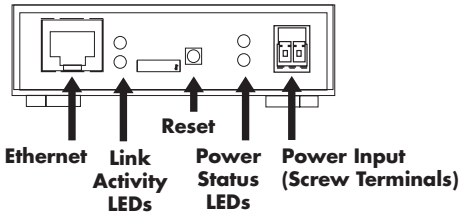
Bulk Material Tanks

Features/Benefits

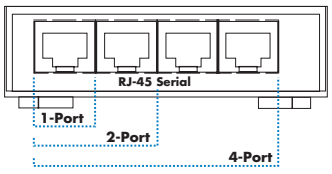
- Robust, hardened model with extended temperature tolerance (-35° C to +74° C)
- Class 1, Division 2 rated
- Conformal coated circuit board
- Screw terminal power connector
- 1-, 2- and 4-port models for application flexibility
- RS-232/422/485 switch-selectable on all ports
- RealPort for COM or TTY port control and management
- Data security via SSHv2 and SSL/TLS
- Monitoring and diagnostic utility for device troubleshooting

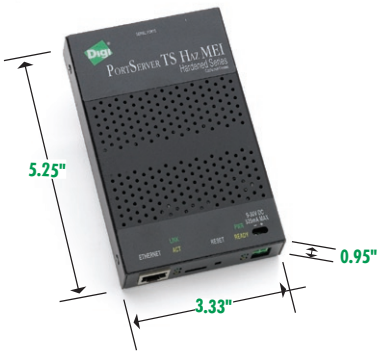
Specifications	PortServer® TS 1 Haz MEI	PortServer® TS 2 Haz MEI	PortServer® TS 4 Haz MEI
Features			
Management	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool		
Protocols	UDP/TCP, Supports multiple unicasts, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support		
Software	Device-initiated patented RealPort® COM port redirector		
Security	PPP, SSHv2, SSL/TLS		
Extended Safety	Conformal coated circuit board, Screw terminal connector for power, Ships in "Latency Mode & TCP Keepalive" setting		
Status LEDs	Link, Power, Activity, Status		
Operating Systems	AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista® Note: TCP/UPD Socket Services are operating system independent		
Dimensions (L x W x D)	5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)		
Weight	2.25 oz (64.00 g)		
Other	Full modem and hardware flow control, Modem emulation, Port buffering, RJ-45/DB-9F crossover cable included for optional serial configuration		
Interfaces			
Serial			
Ports	1 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD
Ethernet			
Ports	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); Full or half duplex		
Power Requirements			
Power Input	9-30VDC @ 0.5 Amps max		
Power Supply	Power supply option available separately		
Environmental			
Operating Temperature	-35° C to +74° C (-31° F to +165° F)		
Storage Temperature	-40° C to +85° C (-40° F to +185° F)		
Relative Humidity	5% to 95% (non-condensing)		
Ethernet Isolation	1500VAC min per IEEE802.3/ANSI X3.263		
Serial Port Protection (ESD)	+15 kV air 6 AP and +8 kV contact discharge per IEC 100-4-2		
Regulatory Approvals			
Safety	Class 1 Division 2, UL/CL60950, IEC60950 & CB		
Emissions/Immunity	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99 .05		

PortServer TS Haz MEI - Front



PortServer TS Haz MEI - Back





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